

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

44. (New) An isolated oxidoreductase which reduces a carbonyl compound to the corresponding (S)-hydroxy compound in the presence of NADH and water, wherein more than 70% of the amino acids is identical to the amino acid sequence SEQ ID NO: 9 and wherein it has a specific activity of more than 1 μ mol per mg protein, based on the reaction of the ethyl-4-chloro-3-oxobutanoic acid (R)-ethyl-4-chloro-3hydroxybutanoic acid.

45. (New) The isolated oxidoreductase according to claim 44, wherein 80% to 99.5%, in particular 90% to 99.5 %, especially 99% to 99.5%, are amino acids identical to the amino acid sequence of SEQ ID NO: 9.

46. (New) The isolated oxidoreductase according to claim 44, wherein it is encoded by a DNA[-] sequence according to SEQ ID NO: 8 and has the amino acid sequence according to SEQ ID NO: 9.

47. (New) The isolated oxidoreductase according to claim 44, wherein it is obtainable from yeasts of the genuses Pichia or Candida, in particular from Pichia capsulata.

48. (New) The isolated oxidoreductase according to claim 44, wherein it has an additional amount of 1 to 40 amino acids less than the oxidoreductase having the amino acid sequence of SEQ ID NO: 9.

49. (New) The oxidoreductase according to claim 48, wherein 1 to 25 amino acids, in particular 2 to 20 amino acids, or 3 to 10 amino acids, more or less than in the amino acid sequence SEQ ID NO: 9 are present.

50. (New) The isolated oxidoreductase according to claim 44, wherein it has the amino acid sequence of SEQ ID NO: 9 and is modified once, twice, three, four or five times by a water-soluble polymer.

51. (New) The isolated oxidoreductase according claim 50, wherein the water-soluble polymer is polyethylene glycol.

52. (New) The isolated oxidoreductase according to claim 44, wherein it is encoded by a DNA sequence which hybridizes under stringent conditions to SEQ ID NO: 8 or the fully complementary strand.

53. (New) A protein fragment, wherein it represents fragments of the amino acid sequence SEQ ID NO: 9, having a number of 5 to 30 amino acids per fragment.

54. (New) The protein fragment according to claim 53, wherein the fragments are fragments of SEQ ID NO: 9, having a chain length of 6 to 25 amino acids, in particular 8 to 20 amino acids or 10 to 18 amino acids, in particular of the amino acid sequence SEQ ID NO: 10.

55. (New) A fusion protein, wherein it contains the oxidoreductase having the amino acid sequence SEQ ID NO: 9 or fragments of the amino acid sequence SEQ ID NO: 9, having a number of 5 to 30 amino acids which are connected via a peptide bond to a further polypeptide at the N-terminal or carboxy-terminal end.